

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1319057

Luminaire Tested: LDSQA3D09R209835DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319057
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R209835DE010 3LSQPHRL1MMS
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 98CRI , 3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

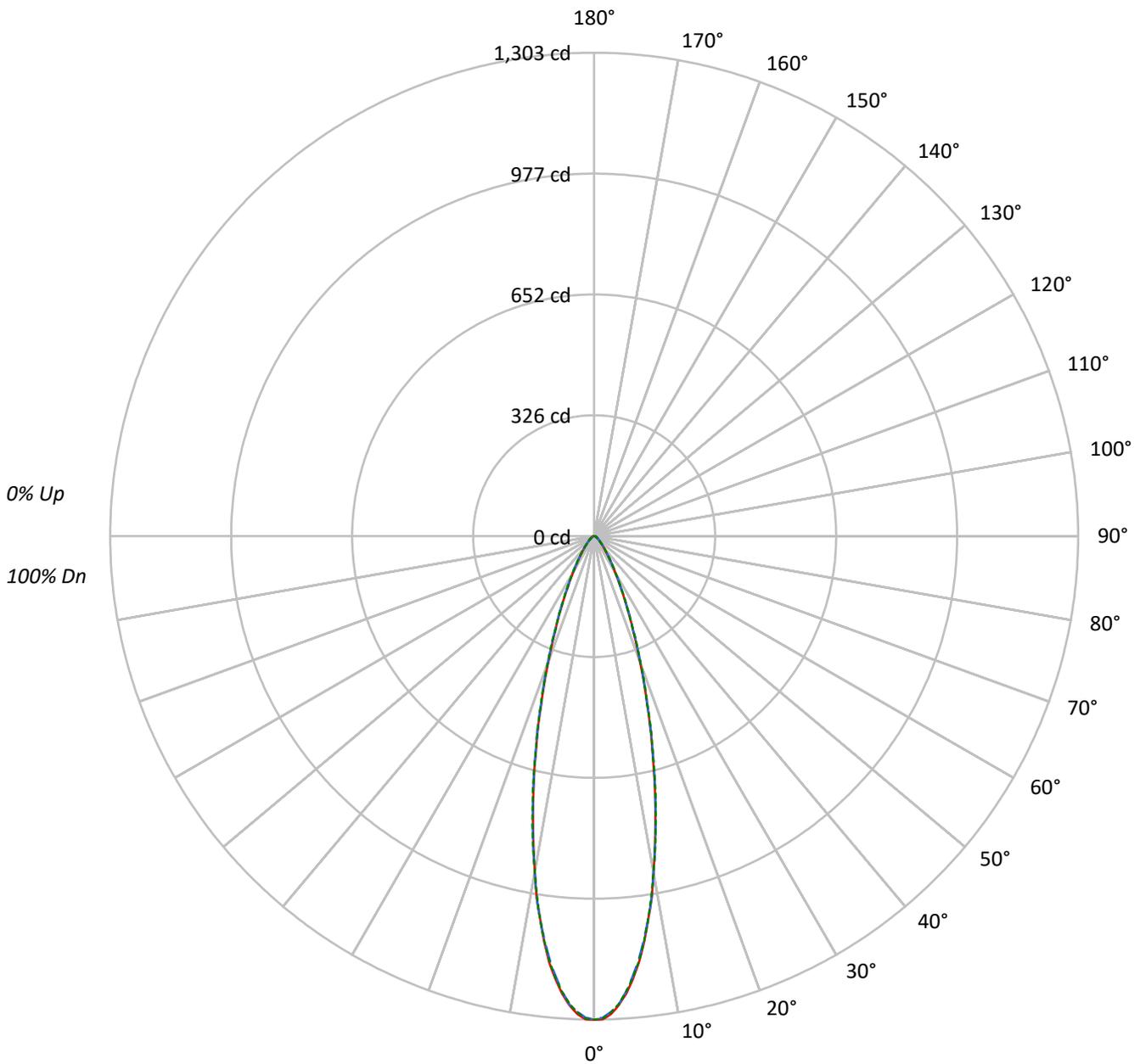
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 458.0 lumens
Efficiency: N/A
Efficacy: 41.6 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

TEST NUMBER: P1319057
CATALOG NUMBER: LDSQA3D09R209835DE010 3LSQPHRL1MMS

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



TEST NUMBER: P1319057

CATALOG NUMBER: LDSQA3D09R209835DE010 3LSQPHRL1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	94	92	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	90	87	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	86	83	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	82	79	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	79	76	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	76	73	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	73	70	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	71	67	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	68	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	224458	224458	224458
5°	207076	205883	206575
10°	160679	160889	160889
15°	108601	109118	109118
20°	65961	66804	67115
25°	38689	39241	39126
30°	22571	23029	23148
35°	13792	14149	14149
40°	8970	9105	9240
45°	6259	6381	6527
50°	4582	4742	4742
55°	3603	3753	3753
60°	3134	3134	3341
65°	2771	2771	3016
70°	2568	2568	2568
75°	2262	2262	2262
80°	1686	1686	2281
85°	1186	1186	2174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 6527 cd/sqm



TEST NUMBER: P1319057

CATALOG NUMBER: LDSQA3D09R209835DE010 3LSQPHRL1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.1	22.9
10°-20°	168.3	36.7
20°-30°	97.5	21.3
30°-40°	43.7	9.5
40°-50°	20.7	4.5
50°-60°	11.3	2.5
60°-70°	6.9	1.5
70°-80°	3.7	0.8
80°-90°	0.8	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	370.9	81.0
0°-40°	414.6	90.5
0°-60°	446.6	97.5
0°-90°	458.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	458.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1303	1303	1303	1303	1303	
5°	1198	1194	1191	1193	1195	105
15°	609	609	612	609	612	168
25°	204	204	206	205	206	96
35°	66	66	67	68	67	43
45°	26	26	26	26	27	20
55°	12	12	12	12	12	11
65°	7	7	7	7	7	7
75°	3	3	3	3	3	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



TEST NUMBER: P1319057

CATALOG NUMBER: LDSQA3D09R209835DE010 3LSQPHRL1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1303.3	1303.3	1303.3	1303.3	1303.3
1°	1302.7	1299.3	1298.1	1297.0	1300.4
2°	1289.6	1285.6	1283.3	1284.4	1285.0
3°	1266.2	1263.9	1263.9	1262.2	1263.3
4°	1236.0	1231.4	1231.4	1232.0	1232.0
5°	1197.8	1193.8	1190.9	1193.2	1194.9
6°	1155.0	1149.8	1147.6	1148.1	1152.1
7°	1102.5	1095.7	1096.8	1099.7	1099.7
8°	1043.2	1042.6	1043.8	1042.6	1043.8
9°	988.4	980.4	987.3	981.6	984.4
10°	918.8	918.3	920.0	921.7	920.0
12.5°	760.3	763.1	764.3	762.0	767.1
15°	609.1	609.1	612.0	609.1	612.0
17.5°	474.0	473.4	475.7	473.4	476.8
20°	359.9	363.9	364.5	364.5	366.2
22.5°	271.5	271.5	273.8	274.3	273.2
25°	203.6	203.6	206.5	204.8	205.9
27.5°	150.6	151.7	154.0	155.1	155.1
30°	113.5	114.1	115.8	116.4	116.4
32.5°	85.6	86.7	87.8	88.4	89.0
35°	65.6	66.2	67.3	67.9	67.3
37.5°	50.2	50.8	51.9	52.5	52.5
40°	39.9	39.9	40.5	41.1	41.1
42.5°	31.4	31.9	31.9	32.5	32.5
45°	25.7	25.7	26.2	26.2	26.8
47.5°	20.5	20.5	21.1	21.7	21.7
50°	17.1	17.1	17.7	17.7	17.7
52.5°	14.3	14.3	14.8	14.8	14.8
55°	12.0	12.0	12.5	12.5	12.5
57.5°	10.3	10.3	10.8	10.8	10.8
60°	9.1	9.1	9.1	9.1	9.7
62.5°	8.0	8.0	8.0	8.0	8.0
65°	6.8	6.8	6.8	6.8	7.4
67.5°	5.7	5.7	5.7	5.7	6.3
70°	5.1	5.1	5.1	5.1	5.1
72.5°	4.0	4.0	4.0	4.6	4.6
75°	3.4	3.4	3.4	3.4	3.4
77.5°	2.9	2.9	2.9	2.9	2.9
80°	1.7	1.7	1.7	2.3	2.3
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.6	0.6	0.6	0.6	1.1
87.5°	0.0	0.0	0.0	0.6	0.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)